



# PCB D-SUB CONNECTORS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

## 09 RCPT ACT PIN/MS MED INSRT

AMPLIMITE | Action Pin

5747090-2

TE Internal Number: 5747090-2  
Alias ID: 1223875

Always EU RoHS/ELV Compliant

Connector Style **Receptacle**

Centerline (in) **.108**

Number of Positions **9**

Number of Rows **2**

Shell Size **1**

### Product Drawings

[RECEPTACLE ASSEMBLY, ACTION-PIN, 9 POSITION, HD-20, AMPLIMITE](#)

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### CAD Files

[Customer View Model](#)

2D\_DXF.ZIP  
English

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

### Catalog Pages/Data Sheets

[AMPLIMITE Subminiature D Connectors - Straight Posted Connectors](#)

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### Product Specifications

Product Specification

[Connector, AMPLIMITE, ACTION PIN](#)

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Application Specification

[AMPLIMITE HD-20 Connectors With ACTION PIN Contacts](#)

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Qualification Test Report

[Connector, AMPLIMITE\\*, ACTION PIN\\*](#)

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[Connector, AMPLIMITE\\*, ACTION PIN\\*](#)

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### Product Environmental Compliance

TE Material Declaration

[MD\\_5747090-2\\_12122015119\\_dmtec](#)  
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## Instruction Sheets

Instruction Sheet (U.S.)

[AMPLIMITE Connector HD-20 Shielded Cable Clamp Kits](#)

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Please review product documents or [contact us](#) for the latest agency approval information. Please Note: Use the Product Drawing for all design activity.

Product Type Features	Connector Style	<b>Receptacle</b>
	Shell Size	<b>1</b>
	Profile	<b>Standard</b>
	PCB Mounting Orientation	<b>Vertical</b>
	Grounding Straps	<b>Without</b>
	Shell Type	<b>Front Metal Shell</b>
	Grounding Indents	<b>Without</b>
	Applies To	<b>Printed Circuit Board</b>
	Sealed	<b>No</b>
Product Type	<b>Connector</b>	

Configuration Features	Number of Positions	<b>9</b>
	Number of Rows	<b>2</b>
	Preloaded	<b>Yes</b>

Body Features	Plastic	<b>No</b>
	Color Code	<b>None</b>
	Shell Plating Material	<b>Tin</b>
	Insert Material	<b>Brass</b>
	Shell Material	<b>Carbon Steel</b>

Contact Features	Solder Tail Contact Plating Material	<b>Tin over Nickel</b>
	Contact Base Material	<b>Copper Alloy</b>
	Contact Mating Area Plating Thickness (µin)	<b>30</b>
	Contact Mating Area Plating Material	<b>Gold over Palladium Nickel, Gold</b>

Termination Features	Termination Post Length	<b>5.8 mm [ .228 in ]</b>
	Grounding Clips	<b>Without</b>

Mechanical Attachment	PCB Mounting Style	<b>Through Hole</b>
	PCB Mount Retention	<b>With</b>
	PCB Mount Retention Type	<b>Action/Compliant Tail, Mounting Holes</b>
	Mating Connector Lock	<b>With</b>
	Mating Connector Lock Type	<b>Threaded Insert, 4-40 UNC</b>
	Panel Mount Retention	<b>Without</b>
	Mounting Hole Diameter	<b>3.05 mm [ .12 in ]</b>
	Threaded Insert Material	<b>Brass</b>

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Housing Features	Centerline (in)	<b>.108</b>
	Housing Color	<b>Black</b>
	Housing Material	<b>Nylon GF, Polyester GF</b>

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Dimensions	PCB Thickness (Recommended)	<b>2.36 mm [ .093 in ]</b>
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Industry Standards	Approved Standards	<b>UL E81956</b>
	UL Flammability Rating	<b>UL 94V-0</b>

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Packaging Features	Packaging Method	<b>Tray</b>
	Packaging Quantity	<b>130</b>

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Product Compliance [Statement of Compliance](#)  
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[VIEW ALL PRODUCT COMPLIANCE](#)